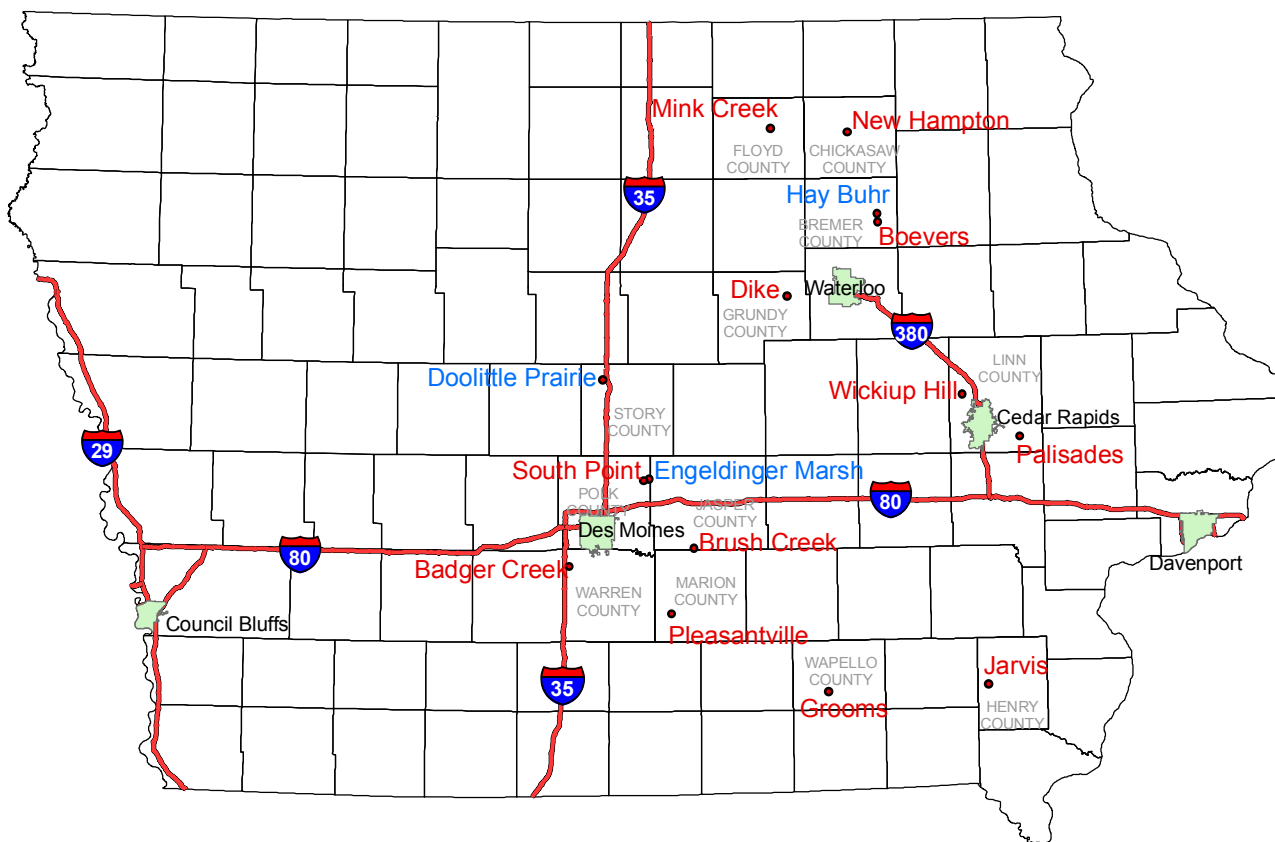


## Figures

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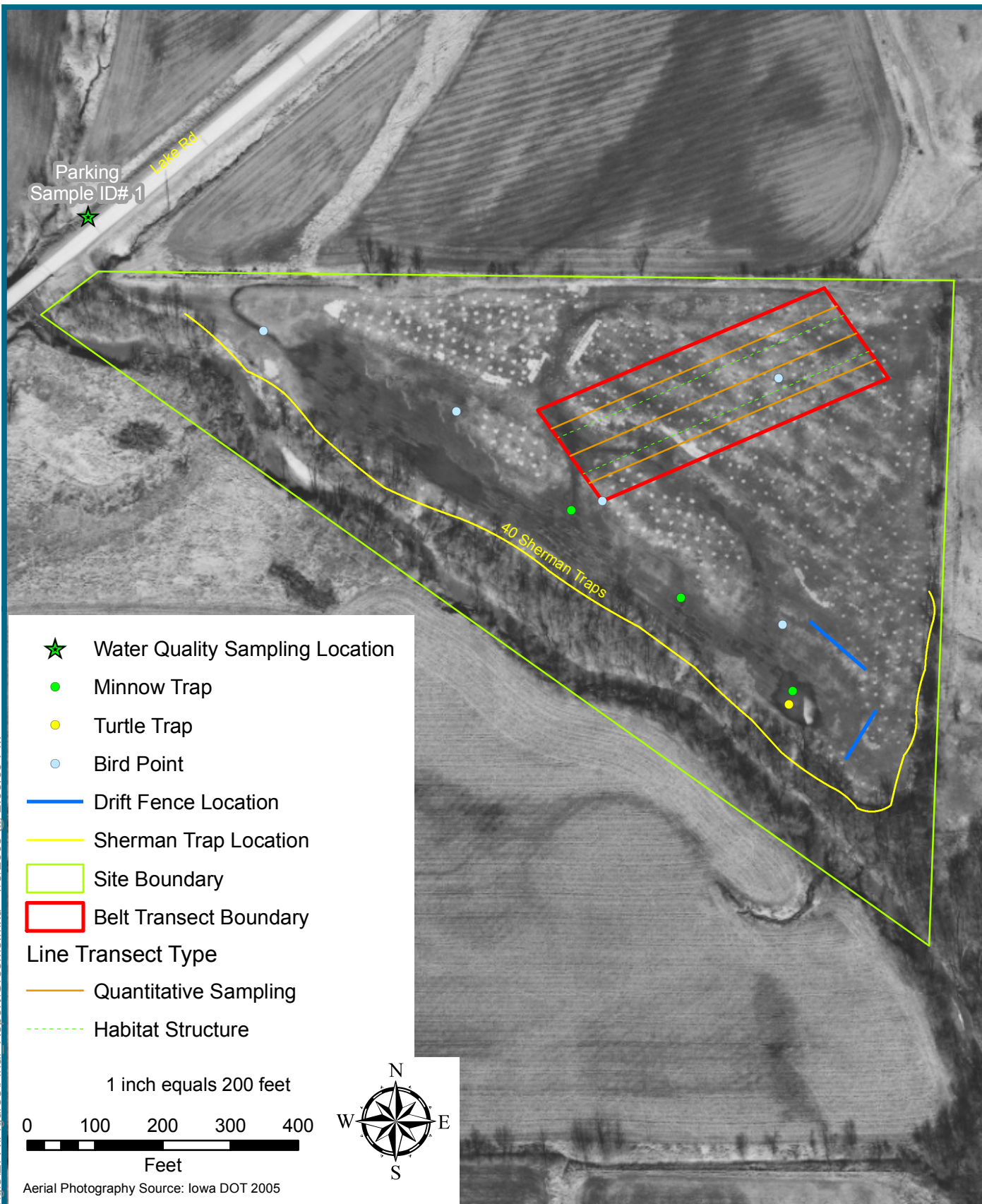


Figure 2a

Site No. 1 - Grooms  
Site Boundary and Sampling Locations

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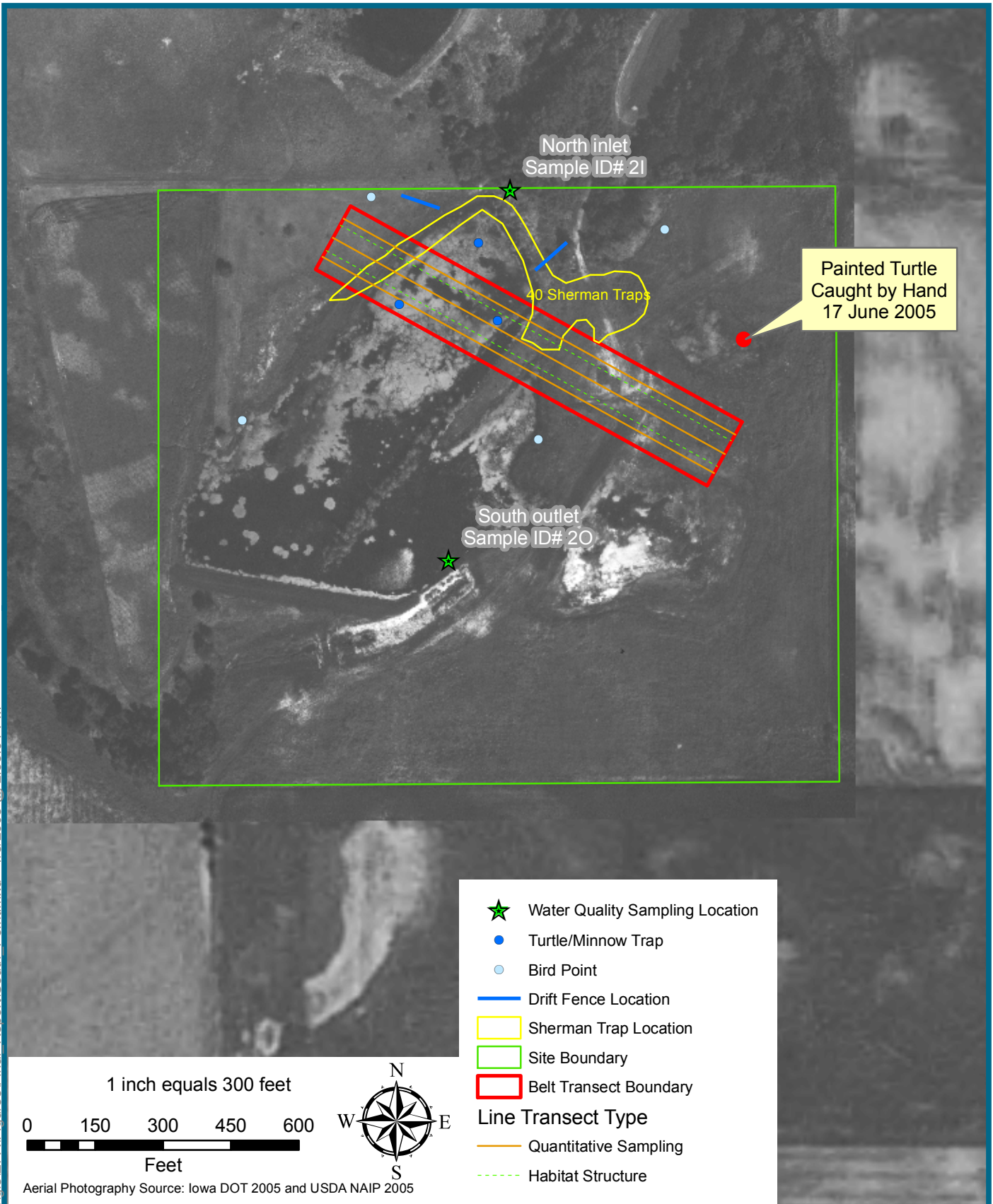


Figure 2b

Site No. 2 - South Point  
Site Boundary and Sampling Locations



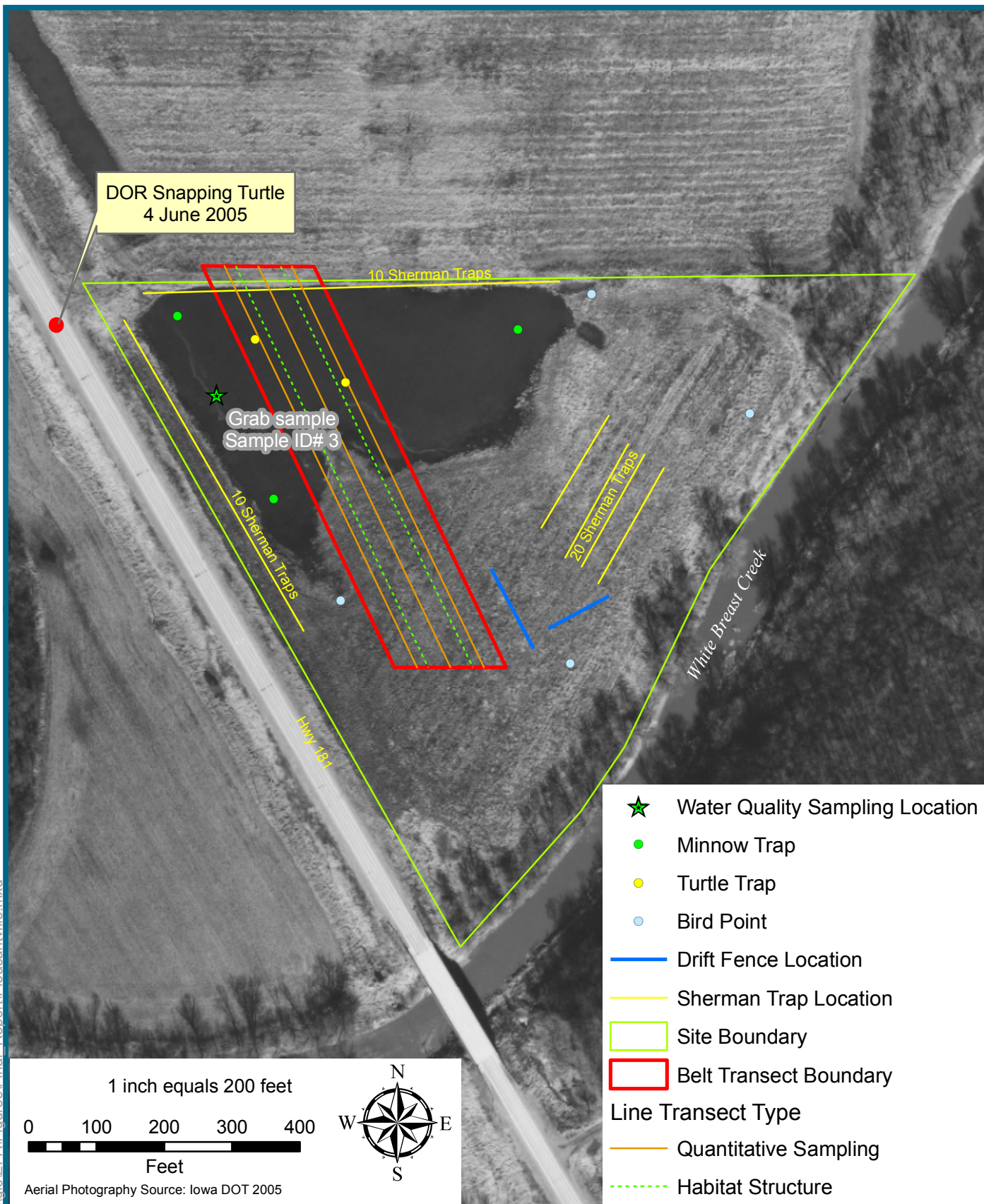
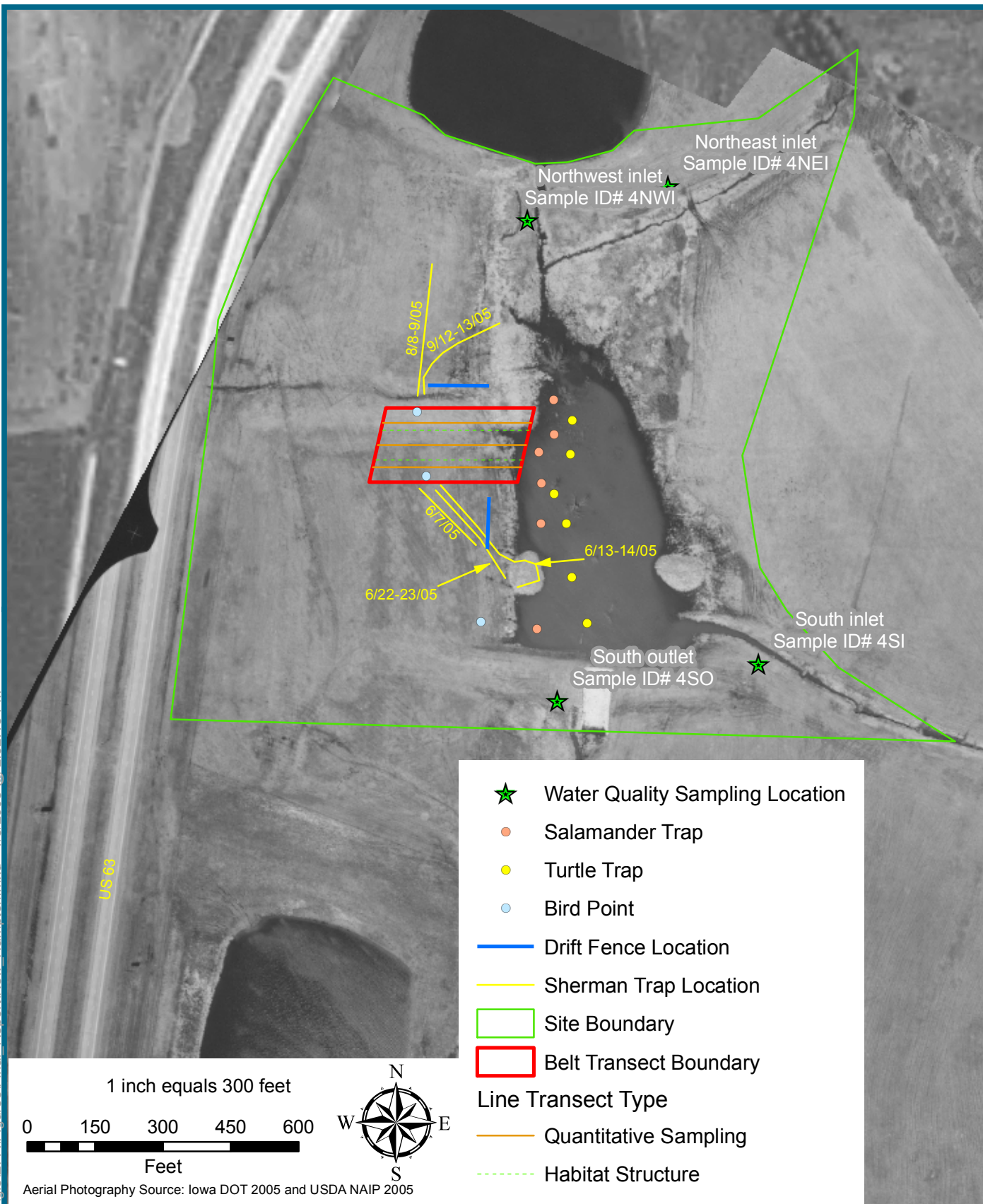


Figure 2c

Site No. 3 - Pleasantville  
Site Boundary and Sampling Locations

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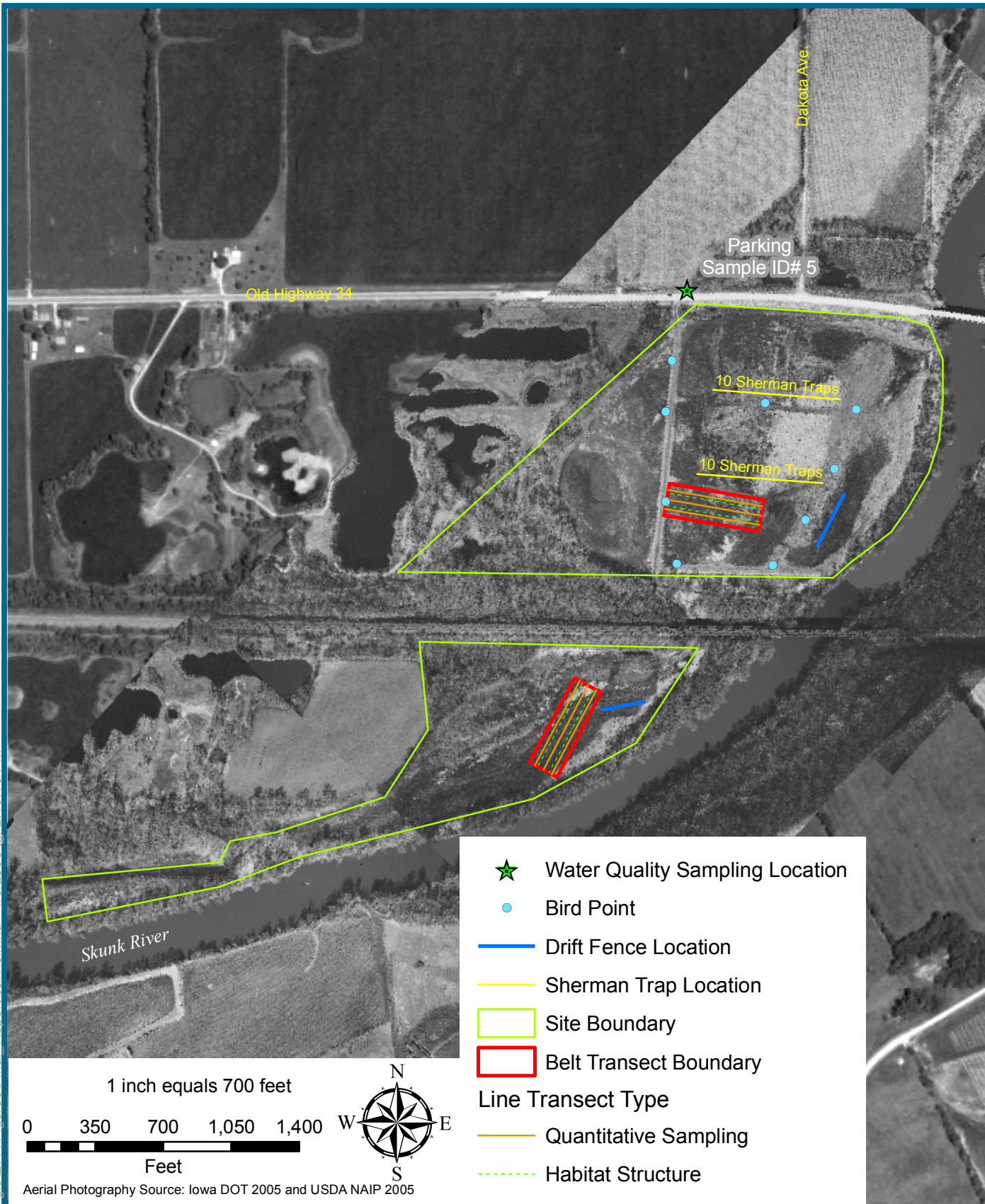


Figure 2e

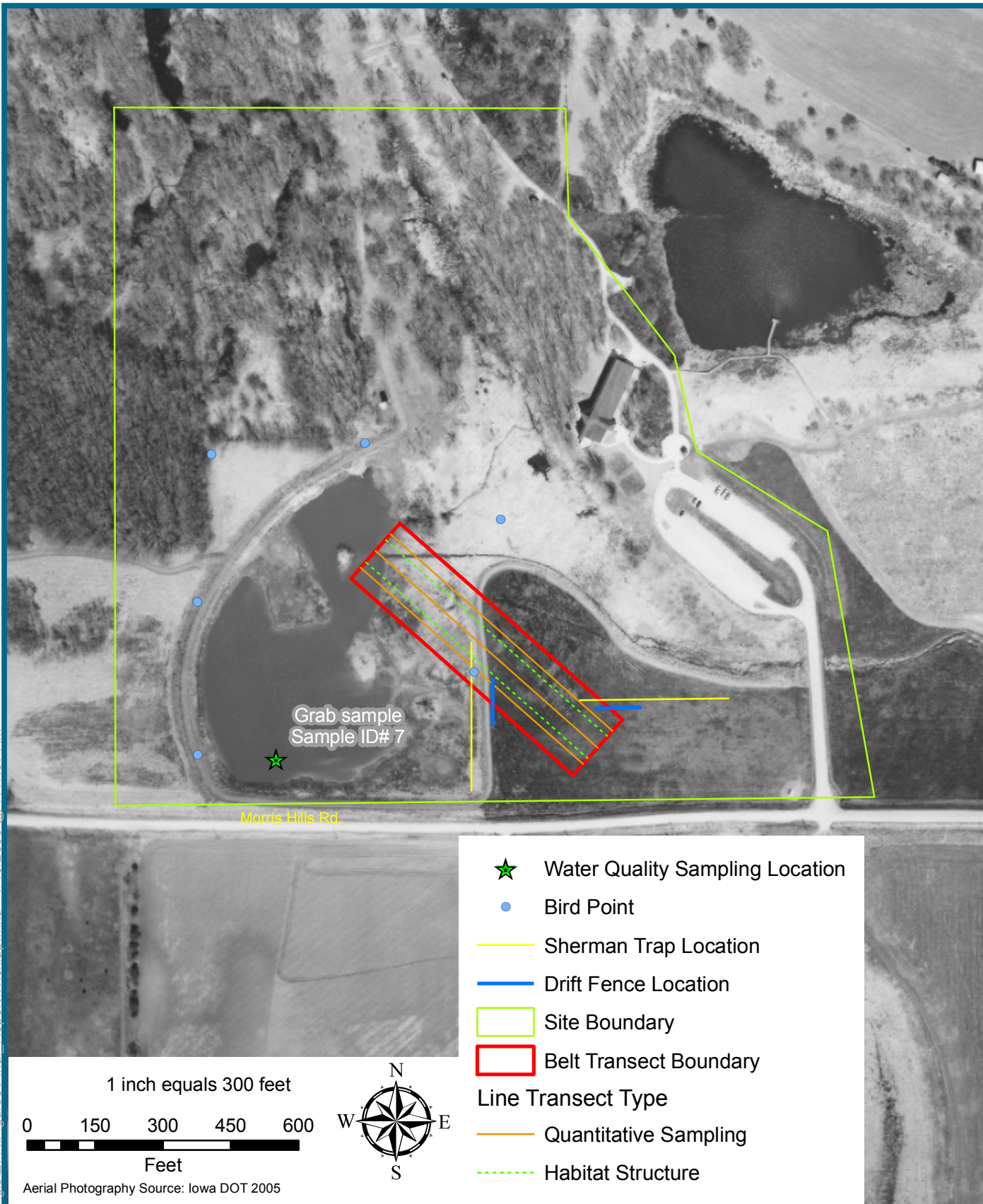
Site No. 5 - Jarvis  
Site Boundary and Sampling Locations

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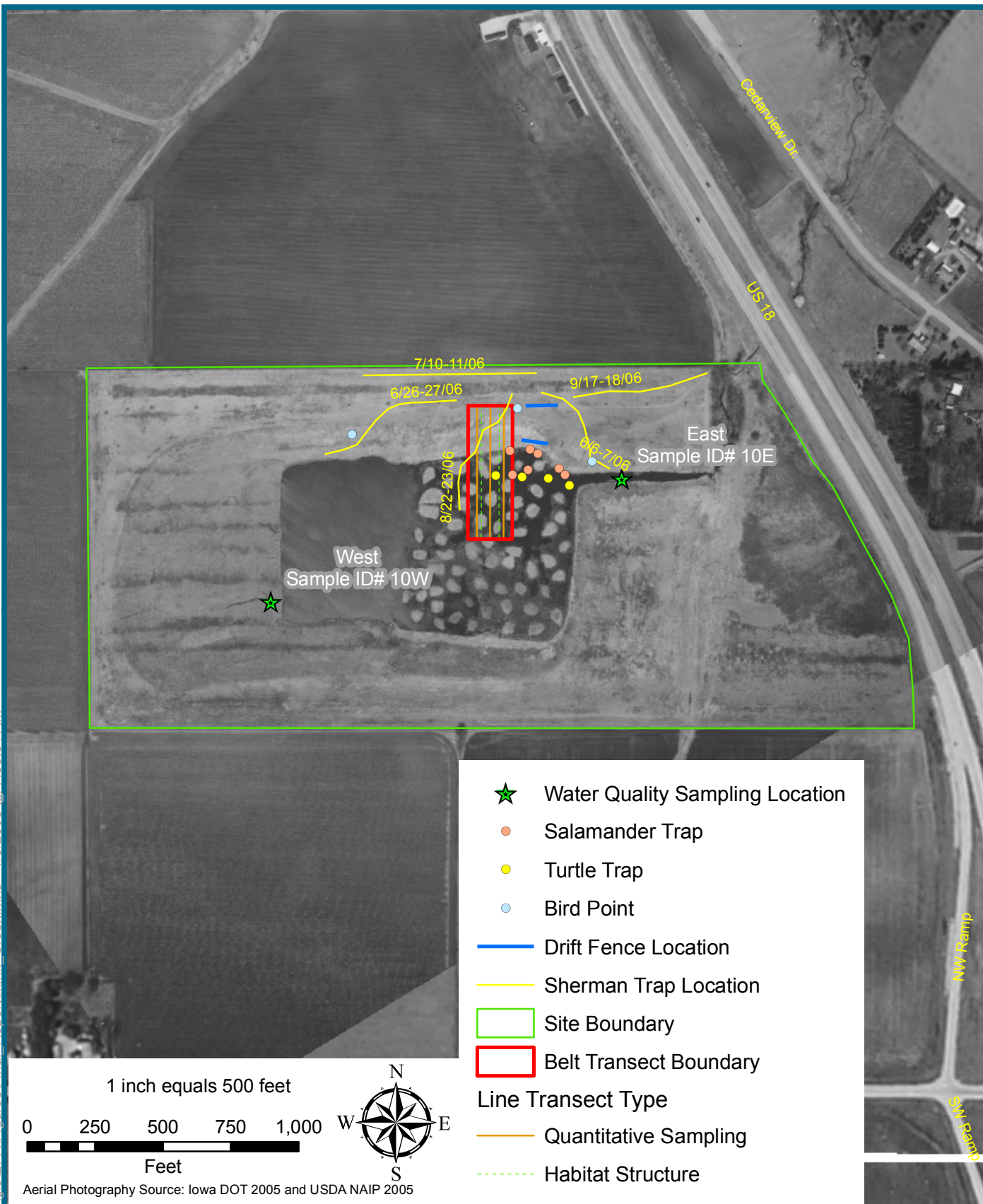




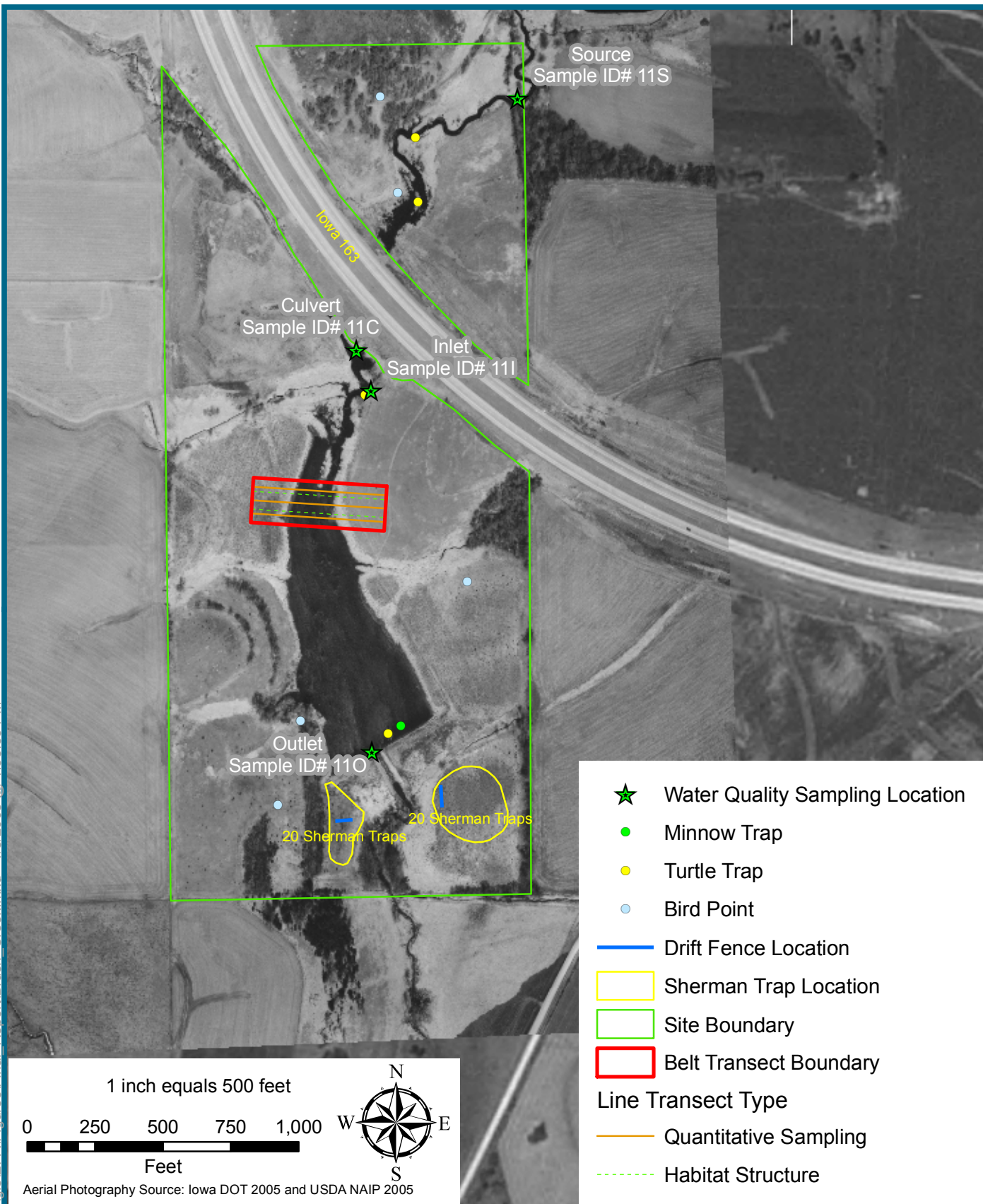
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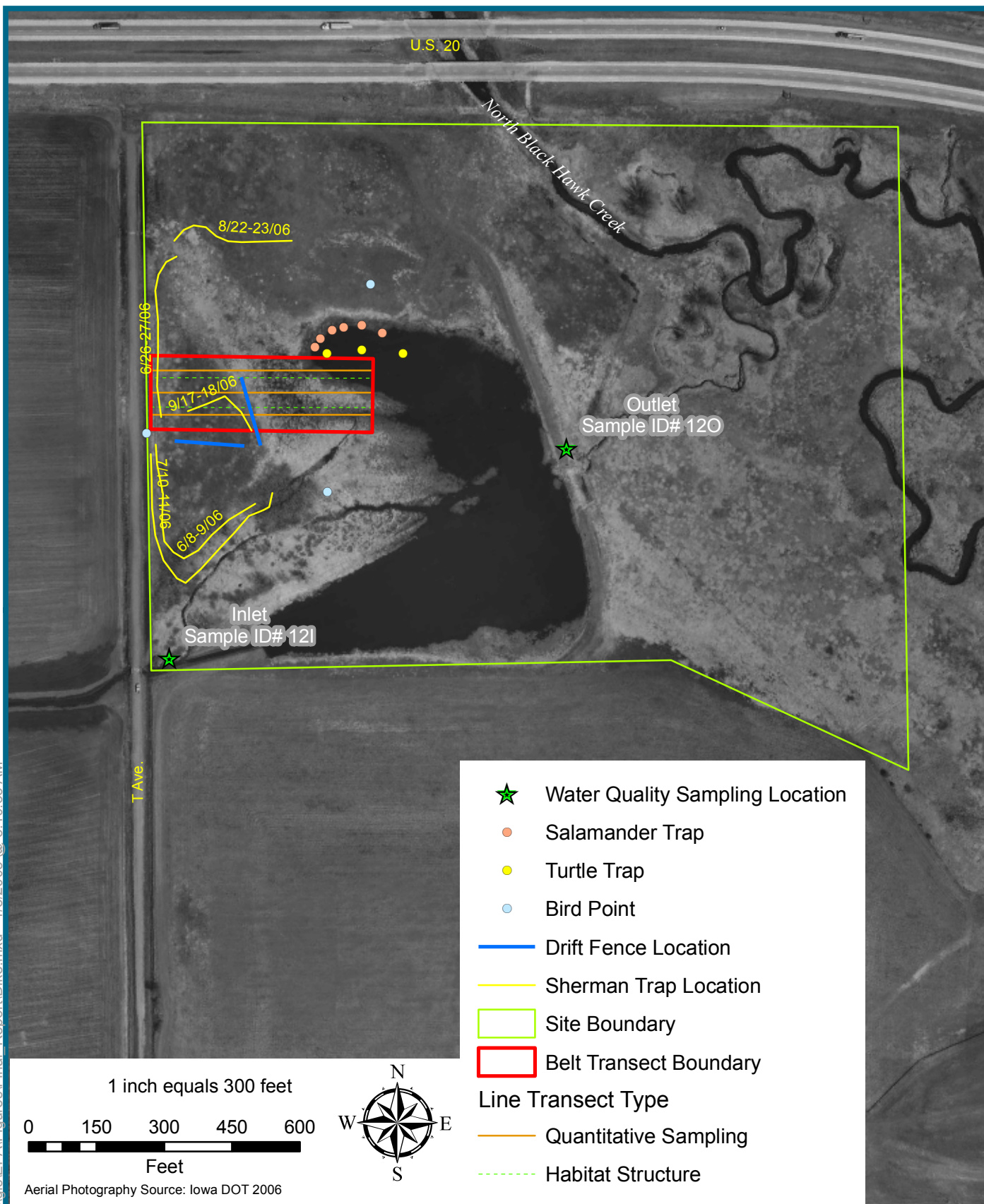
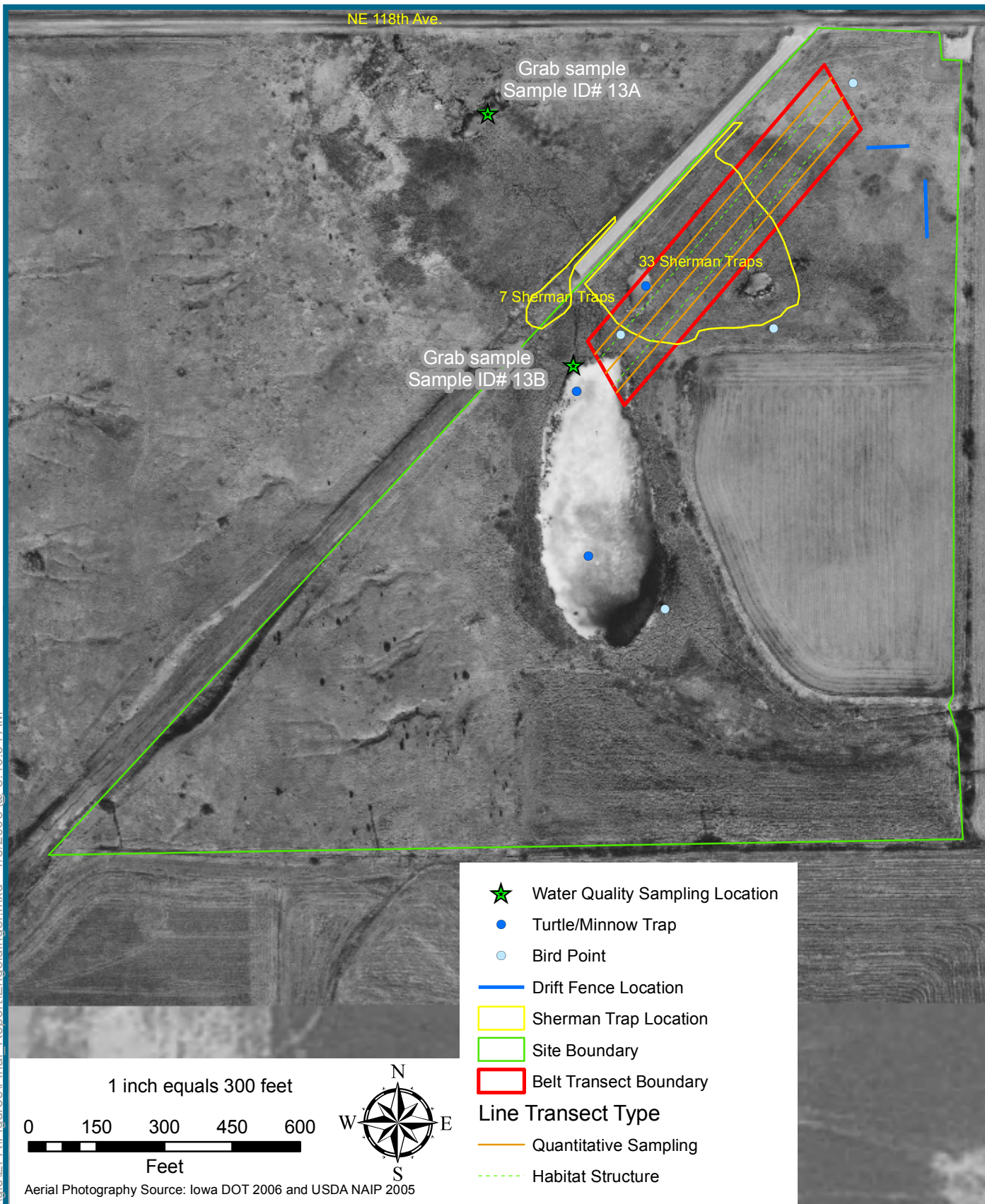


Figure 21

Site No. 12 - Dike  
Site Boundary and Sampling Locations

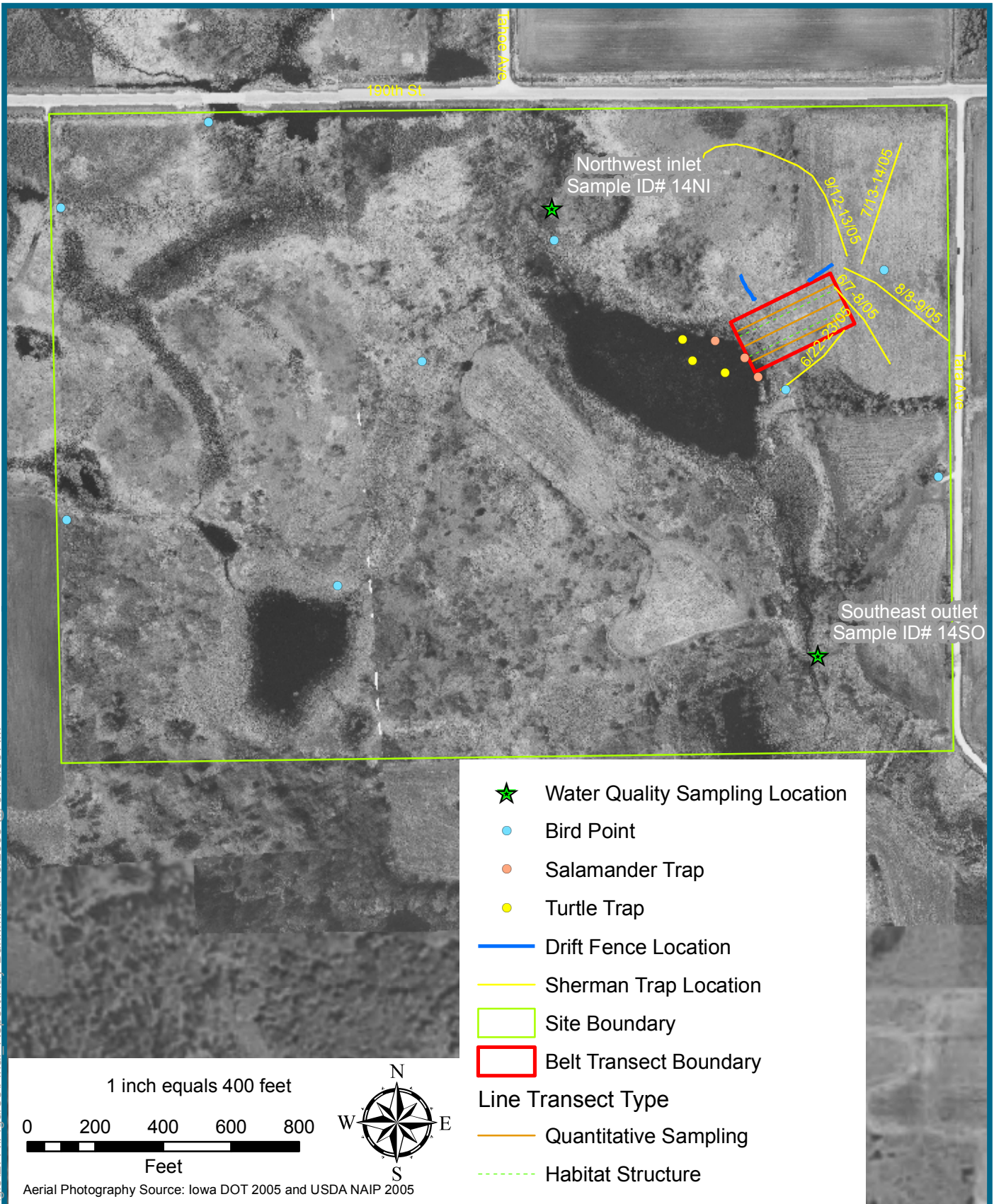


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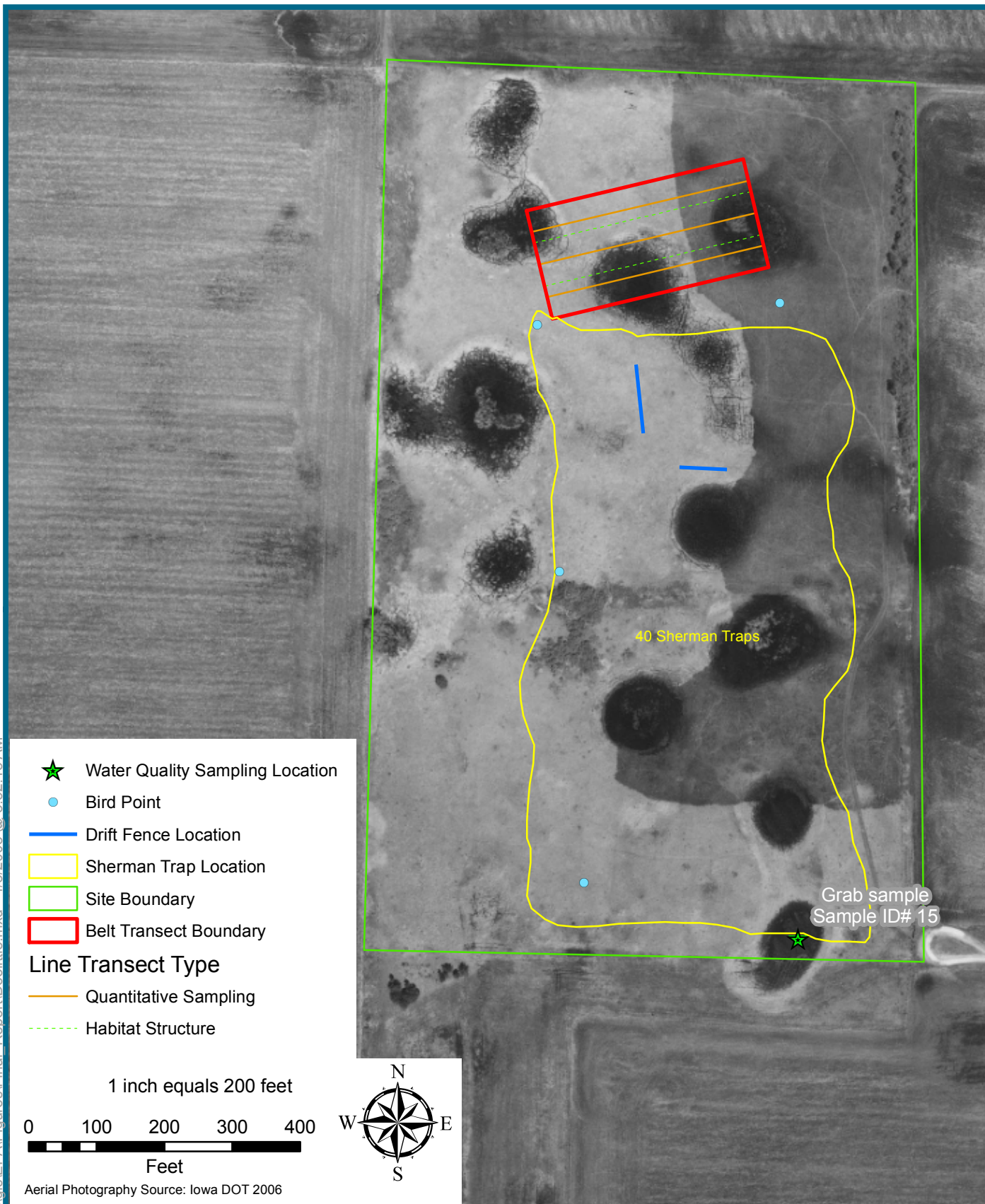


Figure 2o

Site No. 15 - Doolittle Prairie  
Site Boundary and Sampling Locations

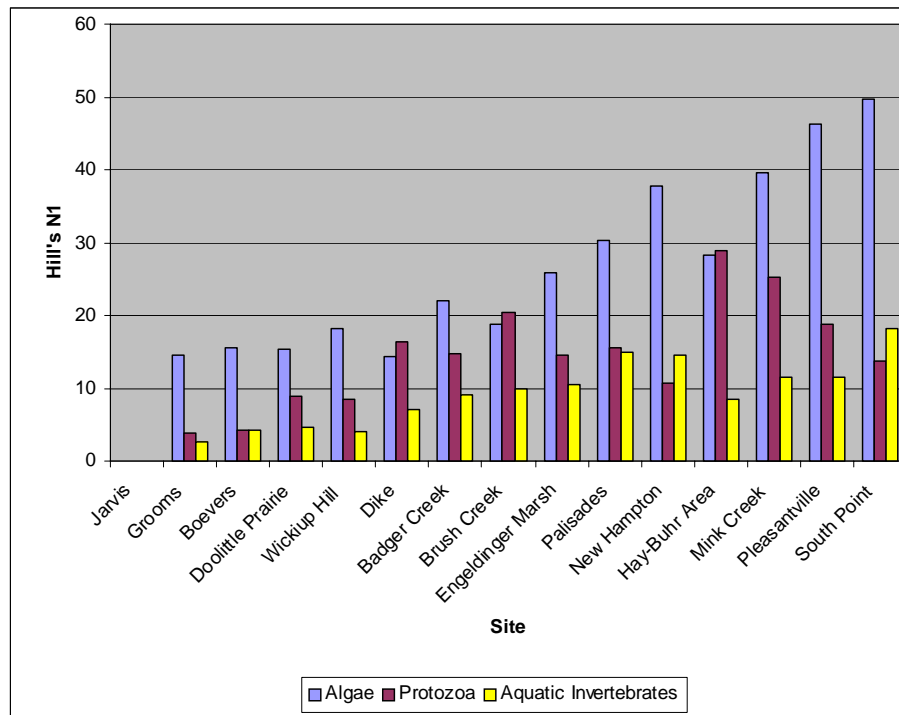


Figure 3. Biodiversity of Aquatic Organisms as Estimated by Effective Number of Species at 15 Wetland Study Sites (12 mitigation and 3 reference) Located in Iowa.

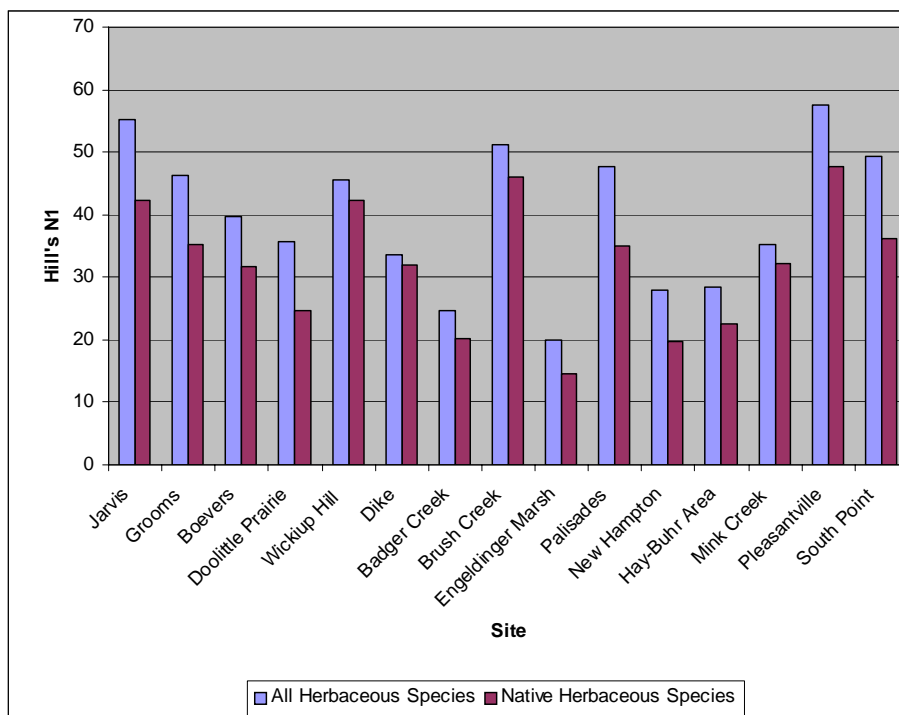


Figure 4. Biodiversity of Plants as Estimated by Effective Number of Species at 15 Wetland Study Sites (12 mitigation and 3 reference) Located in Iowa.

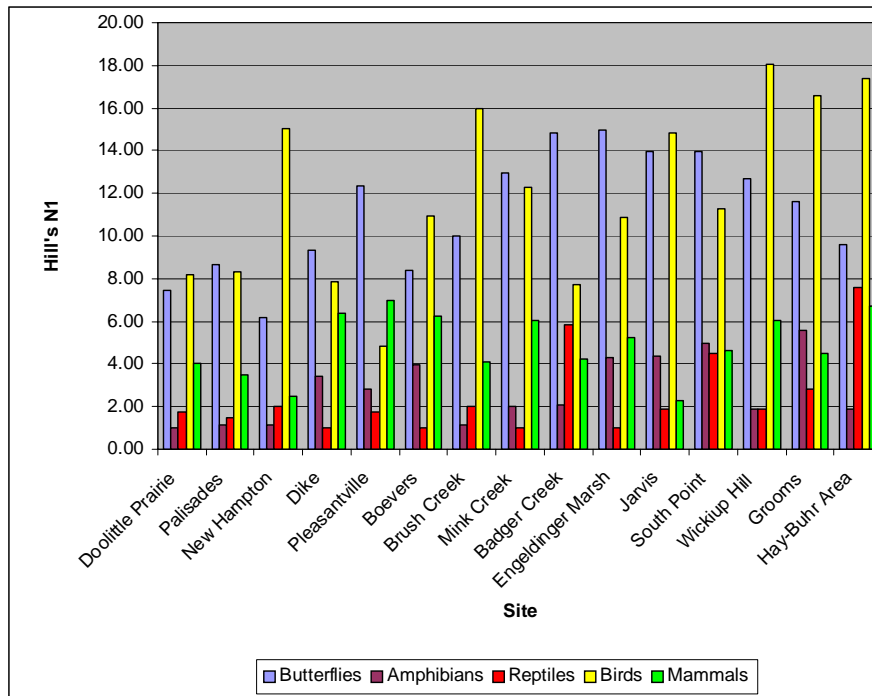


Figure 5. Biodiversity of Terrestrial Organisms as Estimated by Effective Number of Species at 15 Wetland Study Sites (12 mitigation and 3 reference) Located in Iowa.

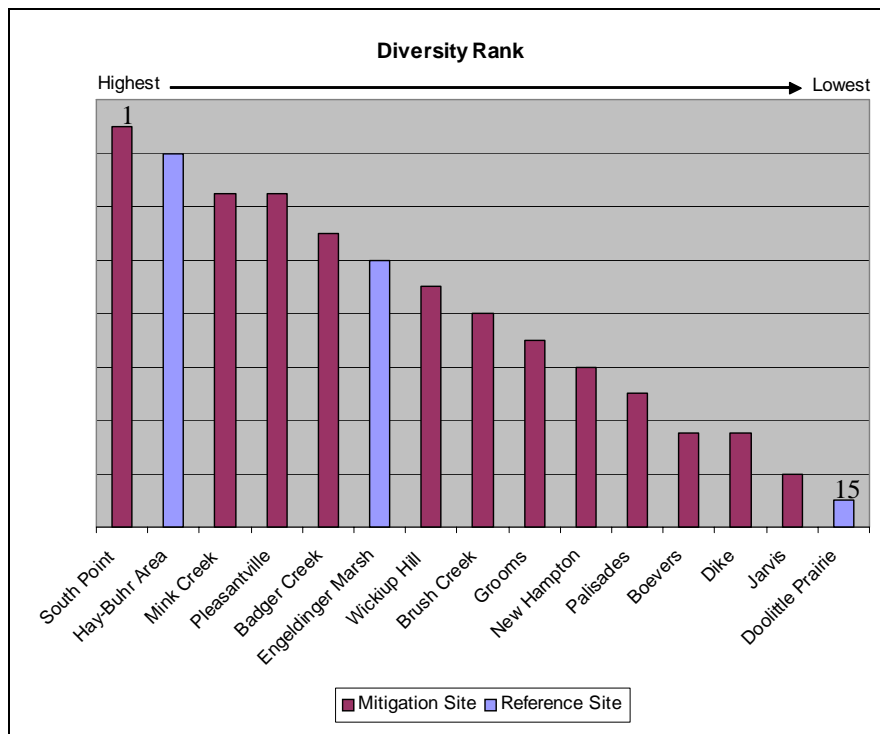
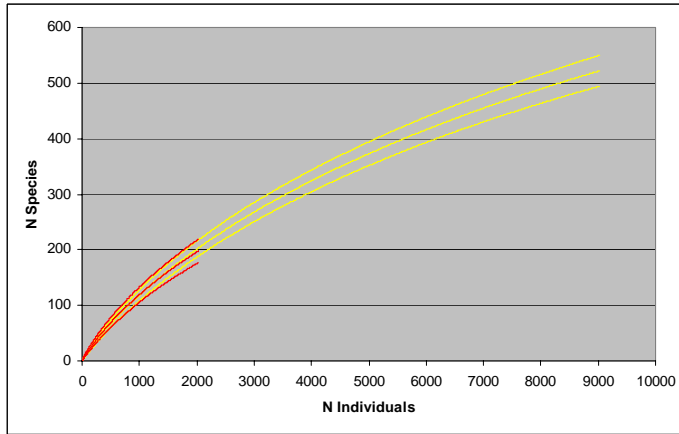
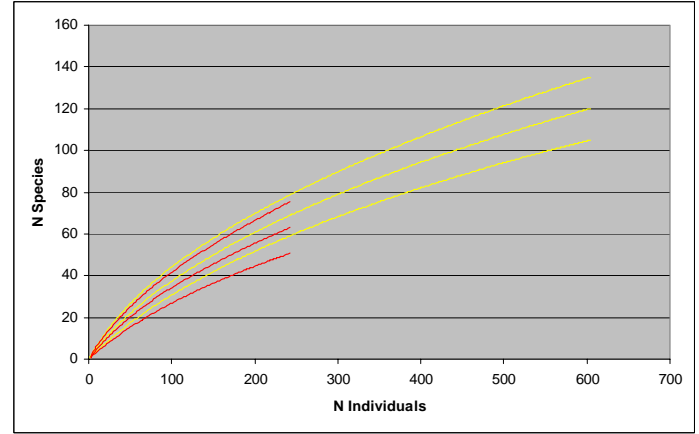


Figure 6. Overall Diversity Rank of 15 Wetland Study Sites (12 mitigation and 3 reference) Located in Iowa.

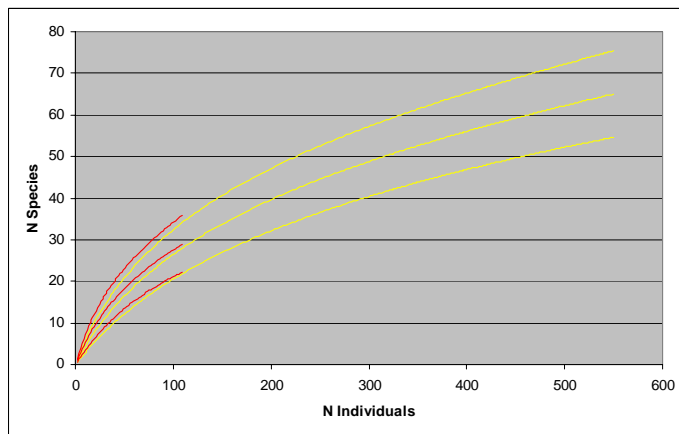
Figure 7. Species accumulation curves. Yellow line = mitigation site; Red line = reference site. The middle line in each curve represents the mean. The outer two lines represent the 95% confidence intervals. If the 95% confidence intervals for the two curves overlap, this indicates there is no significant difference in species richness between the two groups.



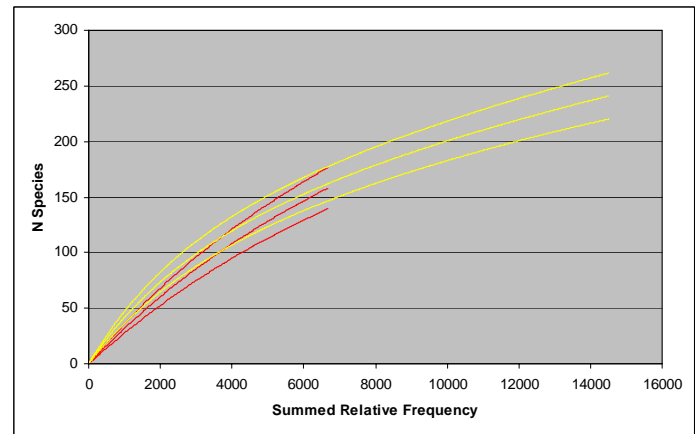
a) Algae



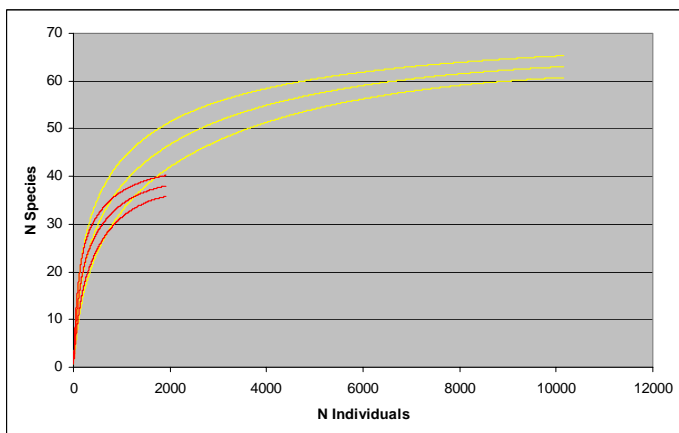
b) Protozoa



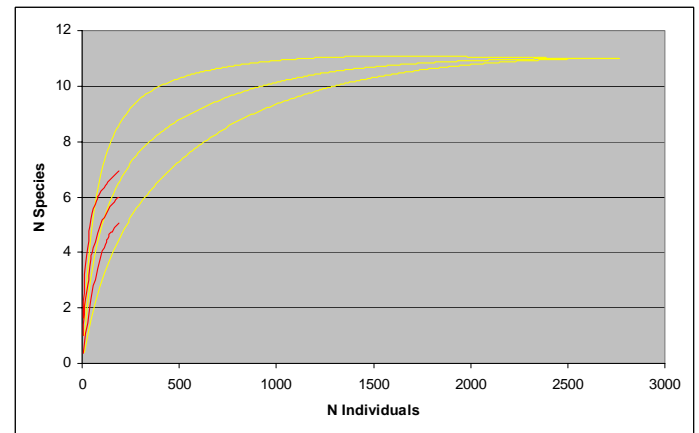
c) Aquatic Invertebrates



d) Native Herbaceous Species



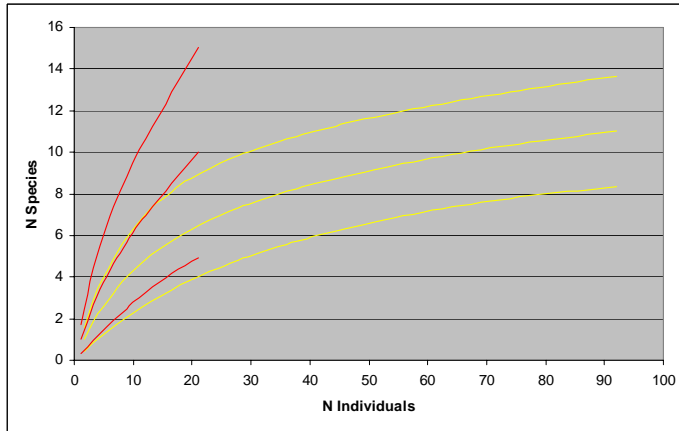
e) Butterflies



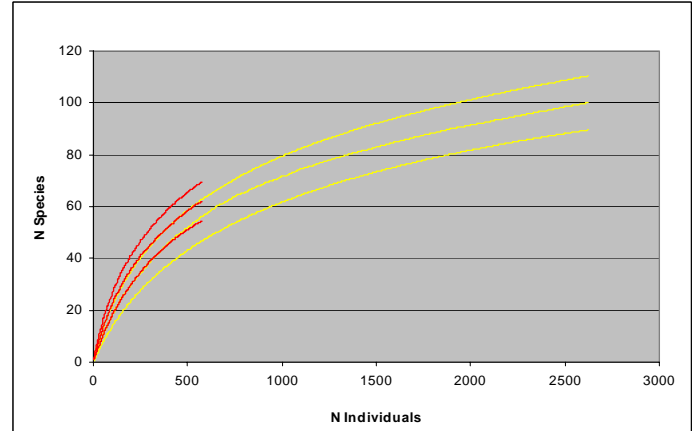
f) Amphibians



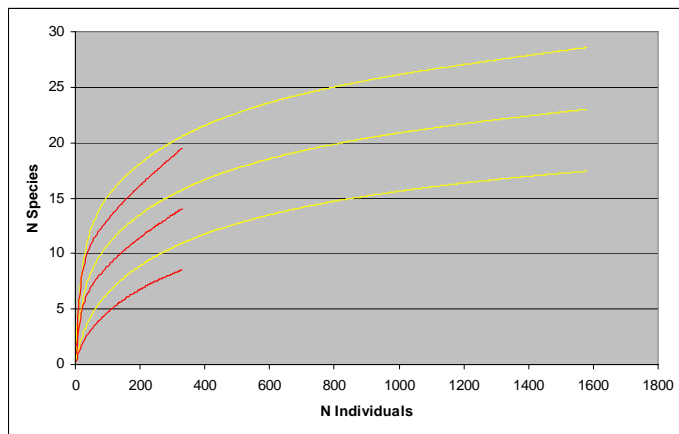
Figure 7 cond. Species accumulation curves. Yellow line = mitigation site; Red line = reference site. The middle line in each curve represents the mean. The outer two lines represent the 95% confidence intervals. If the 95% confidence intervals for the two curves overlap, this indicates there is no significant difference in species richness between the two groups.



**g) Reptiles**



**h) Birds**



**i) Mammals**

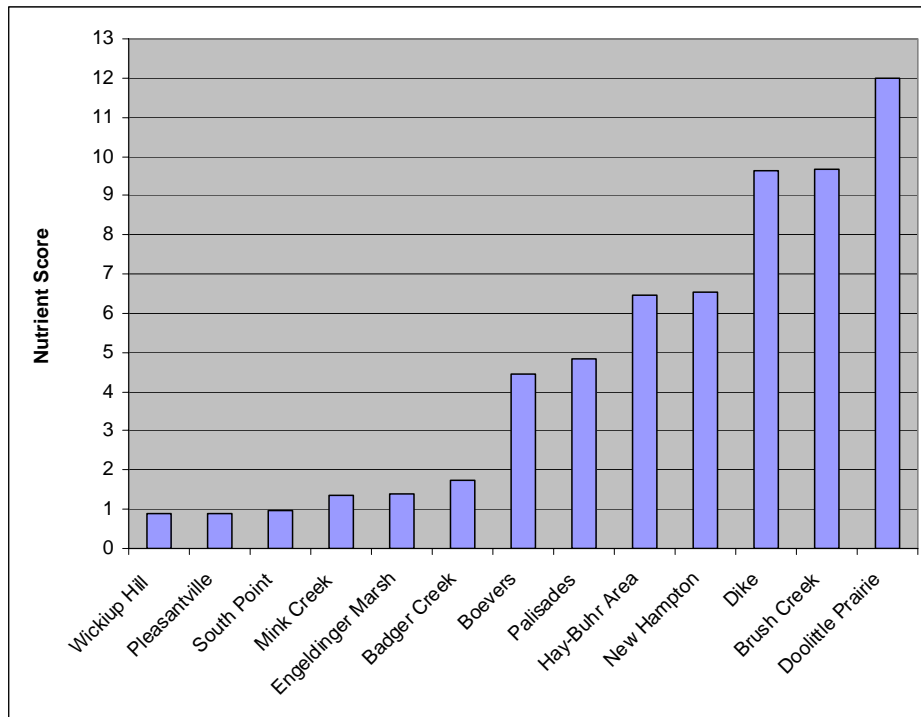


Figure 8. Nutrient Score of 13 Wetland Study Sites (10 mitigation and 3 reference) Located in Iowa, USA (2005-2006). Note: Jarvis and Grooms excluded because both lacked water during the sampling period.

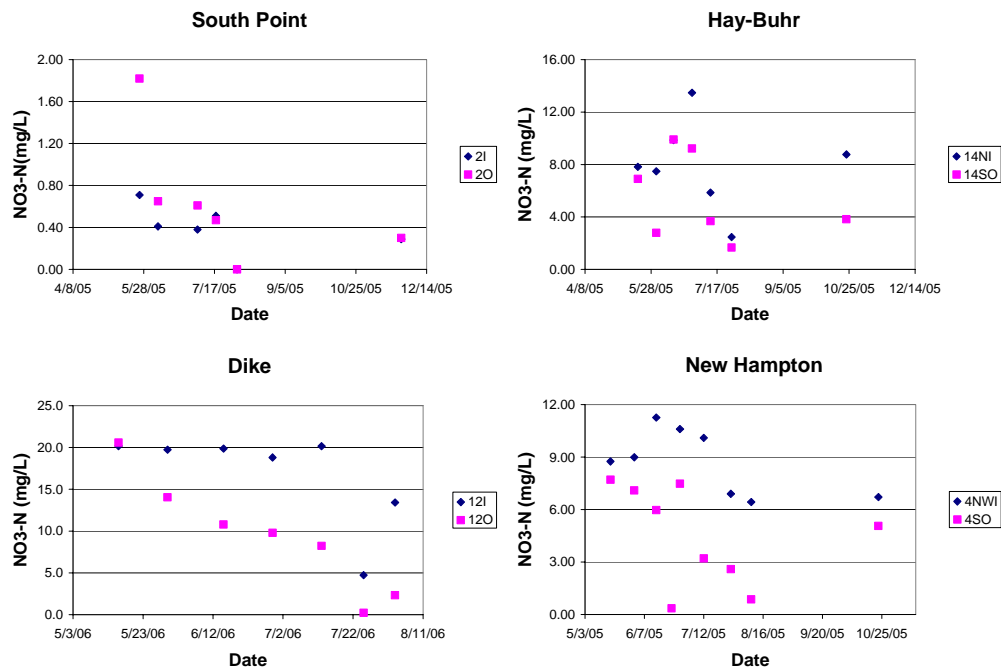


Figure 9. Nitrate Removal in Selected Wetlands.